

## ABSTRACTS

A powdered core made by compacting of a mixture of iron powder and resin powder of insulating binder, wherein the iron powder is composed of  
5 atomized iron powder and reduced iron powder, and the resin powder is any  
one of thermosetting polyimide powder, a mixture of both thermosetting  
polyimide powder and polytetrafluoroethylene powder, thermoplastic  
polyimide powder, and a mixture of both thermoplastic polyimide powder and  
polytetrafluoroethylene powder, which is followed by heat treatment, thereby  
10 obtaining a powdered core having high magnetic flux density, low iron loss,  
and having excellent machinability in shaping, cutting or drilling without  
forming any defects such as chipping or cracks.